



Instructions for troubleshooting platforms that leak down.

- 1) Establish, if possible, the serial number of the lift _____
- 2) Determine if the lift is.
 - a. Non-Inverted _____
 - b. Inverted _____
- 3) Determine if the problem is exhibited.
 - a. With a load on the platform _____
 - b. No Load on platform _____
 - c. Both loaded and unloaded _____
- 4) Elevate the platform to full height.
- 5) Inspect the position of the main control handle, to determine if it is biased to the down direction. If it is remove the cotter pin and clevis pin that connects the main handle to the remote handle.
- 6) Observe whether the main control handle returns to a neutral position (straight up and down). Allow the platform to remain elevated and observe if the platform continues to leak down.
- 7) If the platform remains elevated with no leak down, adjust the remote handle cable to allow the main handle to always return to the neutral position.
- 8) If the platform continues to leak down continue with step 9 below.
- 9) Using the photo below, locate the return to reservoir line from the hydraulic control valve.

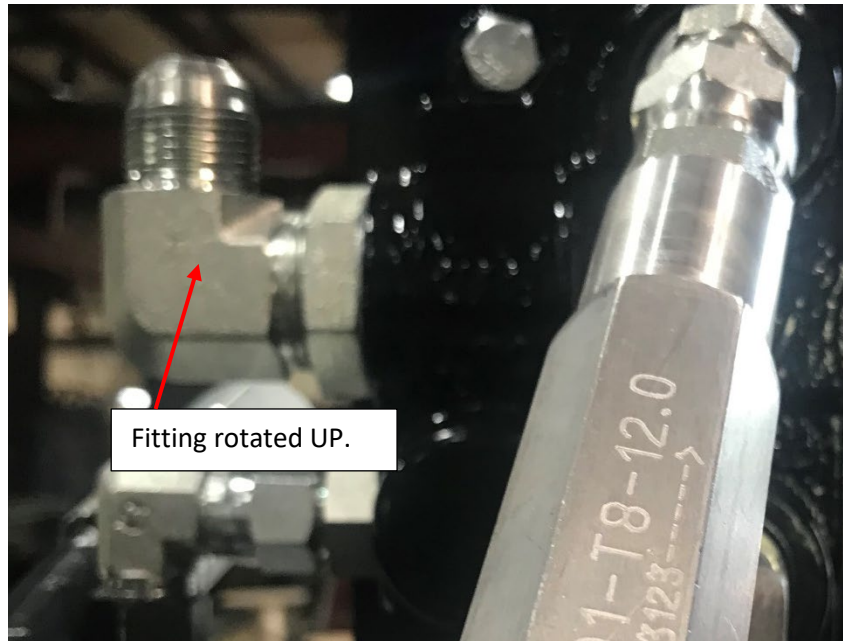




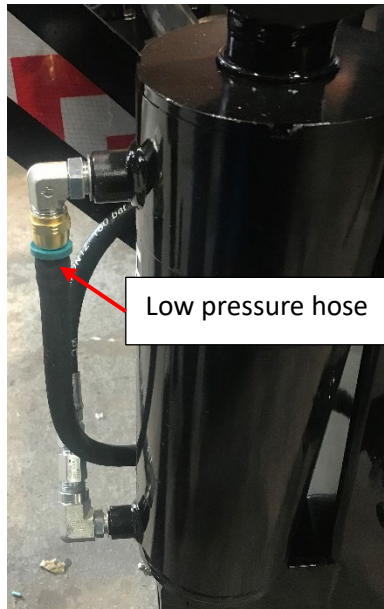
- 10) Place a rag or catch can beneath the fitting to capture any fluid that may spill out.

CAUTION DO NOT ATTEMPT TO LOWER THE PLATFORM OR OPERATE THE LIFT ONCE THE RETURN HOSE IS REMOVED

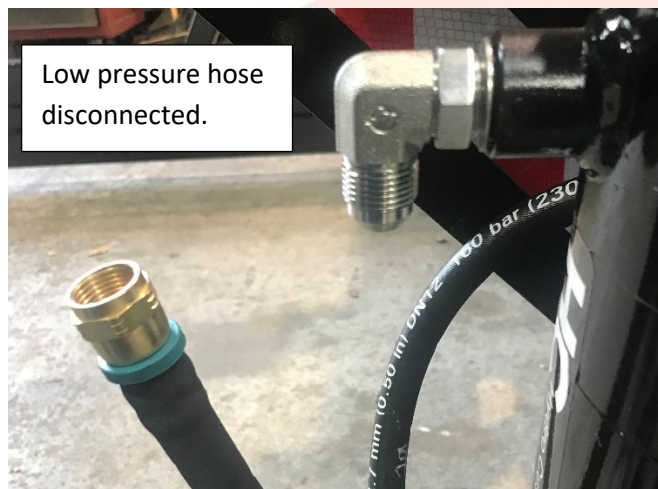
- 11) Loosen the nut connecting the hose to the fitting.
12) With the hose fitting loose, loosen the jam nut that secures the fitting to the valve body, just enough to allow the fitting to rotate counterclockwise.
13) Disconnect the hose and rotate the fitting up as shown in the picture below.



- 14) Observe the end of the fitting to determine if hydraulic fluid is gathering within the fitting.
a. If fluid is filling up the fitting at a significant rate during the movement of the platform, then this indicates that the valve is defective allowing fluid to bypass to the reservoir when it should not. It is recommended that the valve be replaced.
15) If the previous steps did not indicate the valve to be the cause of the leaking down, then reposition the fitting, connect the return hose and tighten the jam nut and hose nut.
16) Locate the vent hoses on the lift cylinders, they are the low-pressure hoses that return directly to the reservoir, see the photo below.



- 17) Loosen the low-pressure hoses and inspect for presence of hydraulic fluid. The low-pressure hoses normally will not have fluid in them.



- 18) If fluid is present, then this indicates the cylinder is defective and fluid is bypassing the piston seals. The cylinder should be replaced.
- 19) If no fluid is evident, allow the platform to leak down while observing both cylinders. If fluid is seen exiting the fitting on a cylinder, then this indicates that a cylinder is defective as fluid is bypassing the piston seals. The cylinder should be replaced.
- 20) Step 15 can be accelerated by using the control handle to lower the platform. If fluid is seen exiting the fitting on a cylinder, then this indicates that a cylinder is defective, and fluid is bypassing the piston seals. The cylinder should be replaced.